INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 2004/000439

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07K 1/107
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPO-INTERNAL, PAJ, BIOSIS, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Humphreys, David P. et al, "Improved efficiency of site-specific copper(II) ion-catalysed protein cleavage effected by mutagenesis of cleavage site", Protein Engineering, 2000, vol. 13, no. 3, page 201 - page 206, abstract; table 1; page 203, column 2, paragraph 3	1-15
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Y	Allen, Geoffrey et al, "Specific cleavage of histidine-containing peptides by copper(II)", Int. J. Peptide Protein Res., 1996, vol. 48, page 265 - page 273, abstract; table 1; page 265, column 2, paragraph 3 - page 266, column 1, paragraph 1	1-14
X		15
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[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
26 November 2004	30 -11- 2004
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Terese Persson/EÖ Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.
PCT/FI 2004/000439

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	El-Khawaga, Omali Y. et al, "2-Methylaminopyridine-copper (II) Complex Catalyzes Protein Degradation", Journal of Biochemistry, Molecular Biology and Biophysics, 2002, vol. 6, no. 6, page 433 - page 436, page 434, column 1, last paragraph - column 2, paragraph 1; figure 4	1-14
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Y	National Library of Medicine (NLM), file Medline, Medline accession no. 2509299, Tachon P: "Ferric and cupric ions requirement for DNA single-strand breakage by H202": & Free radical research communications, vol. 7, no 1, 1989, page 1 - page 10, abstract	1-14
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Y	WO 9829109 A1 (JOHNS HOPKINS UNIVERSITY), 9 July 1998 (09.07.1998), page 32, lines 1-2	1-14
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A	Kaminskaia, Natalia V. et al, "NewSelectivity in Peptide Hydrolysis by Metal Complexes. Platinum(II) Complexes Promote Cleavage of Peptides Next to the Tryptophan Residue", Inorg. Chem., 2001, vol. 40, page 2368 - page 2377	1-15
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X	Bal, Wojciech et al, "Ni(II) Specifically Cleaves the C-Terminal Tail of the Major Variant of Histone H2A and Forms an Oxidative Damage-Mediating Complex with the Cleaved-Off Octapeptide", Chem. Res. Toxicol., 2000, vol. 13, page 616 - page 624, abstract	15
A		1-14
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WO	9829109	A1	09/07/1998	NONE

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International application No.
PCT/FI2004/000439

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

   a. type of material

   ☒ a sequence listing

   ☐ table(s) related to the sequence listing

   b. format of material

   ☒ in written format

   ☒ in computer readable form

   c. time of filing/furnishing

   ☒ contained in the international application as filed

   ☒ filed together with the international application in computer readable form

   ☐ furnished subsequently to this Authority for the purposes of search

2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments: